This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

	(197-		DD	Time atoms
L Number	Hits	Search Text	DB USPAT;	Time stamp 2003/02/18 11:34
1	2	4687712.pn.	US-PGPUB;	2003/02/16 11.34
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
2	4	("5989690" "5750250").pn.	USPAT;	2003/02/18 11:34
-	•	(000000 0700 <u>200 7.p</u> m.	US-PGPUB;	
			EPO; JPO;	
i			DERWENT;	
			IBM_TDB	
3	4	("5989690" "5750270").pn.	USPAT;	2003/02/18 11:35
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
١. ا			IBM_TDB	
4	193164	(magnetic adj (recording medium media tape disk disc	USPAT;	2003/02/18 11:37
i l		ribbon)).ab,ti.	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
5	2849	((magnetic adj (recording medium media tape disk disc	USPAT;	2003/02/18 11:38
	2040	ribbon)).ab,ti.) and (keeper (soft adj magnetic))	US-PGPUB;	2000/02/10 11:00
		The benefit and the specification and magnetically	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
7	240	(((magnetic adj (recording medium media tape disk disc	USPAT;	2003/02/18 11:52
		ribbon)).ab,ti.) and (keeper (soft adj magnetic))) and ((Ta	US-PGPUB;	
		tantalum) with (Ti titanium))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	2002/02/40 44.42
6	9	(((magnetic adj (recording medium media tape disk disc	USPAT;	2003/02/18 11:42
		ribbon)).ab,ti.) and (keeper (soft adj magnetic))) and ((perma\$2oy Ni\$1Fe) with (Co\$1Fe\$1B (Co\$1Fe near4 B)))	US-PGPUB; EPO; JPO;	
		((permay2oy Marin e) with (Coarn ears (Coarn e hears b)))	DERWENT;	
			IBM_TDB	
8	12	((((magnetic adj (recording medium media tape disk disc	USPAT;	2003/02/18 11:43
		ribbon)).ab,ti.) and (keeper (soft adj magnetic))) and ((Ta	US-PGPUB;	
		tantalum) with (Ti titanium))) and ((keeper soft) with spacer)	EPO; JPO;	
			DERWENT;	
<u> </u>			IBM_TDB	
9	163	(((magnetic adj (recording medium media tape disk disc	USPAT;	2003/02/18 11:52
]		ribbon)).ab,ti.) and (keeper (soft adj magnetic))) and ((Ta	US-PGPUB;	
		tantalum) near4 (Ti titanium))	EPO; JPO; DERWENT;	
			IBM TDB	
10	153	((((magnetic adj (recording medium media tape disk disc	USPAT:	2003/02/18 12:05
'-		ribbon)).ab,ti.) and (keeper (soft adj magnetic))) and ((Ta	US-PGPUB;	1
		tantalum) near4 (Ti titanium))) not (((((magnetic adj (recording	EPO; JPO;	
		medium media tape disk disc ribbon)).ab,ti.) and (keeper (soft	DERWENT;	
		adj magnetic))) and ((perma\$2oy Ni\$1Fe) with (Co\$1Fe\$1B	IBM_TDB	
<u> </u>		(Co\$1Fe near4 B)))) (((((magnetic adj (recording medium		
[media tape disk disc ribbon)).ab,ti.) and (keeper (soft adj		
j l		magnetic))) and ((Ta tantalum) with (Ti titanium))) and ((keeper		
1 11	_	soft) with spacer))) Fe\$1Co\$1B with ((atom atomic weight at) adj percent "%"!)	LICDAT.	2003/02/19 12:07
11	9	Teat Coate with ((atom atomic weight at) adj percent %!)	USPAT; US-PGPUB;	2003/02/18 12:07
			EPO; JPO;	
	i		DERWENT;	
			IBM_TDB	
12	67	Fe\$1Co\$1B.ab.ti.	USPAT;	2003/02/18 12:07
			US-PGPUB;	
]			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

13	62	Fe\$1Co\$1B.ab.ti. not (Fe\$1Co\$1B with ((atom atomic weight	USPAT;	2003/02/18 12:08
1		at) adj percent "%"!))	US-PGPUB;	'
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
14	177	((magnetic adj (recording medium media tape disk disc	USPAT;	2003/02/18 12:10
		ribbon)).ab,ti.) and (Co\$1Fe\$1B Fe\$1Co\$1B (Co\$1Fe near4	US-PGPUB;	
		"B"!) (Fe\$1Co near4 "B"!))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
15	11	(((magnetic adj (recording medium media tape disk disc	USPAT;	2003/02/18 12:15
	Ĺ	ribbon)).ab,ti.) and (Co\$1Fe\$1B Fe\$1Co\$1B (Co\$1Fe near4	US-PGPUB;	
		"B"!) (Fe\$1Co near4 "B"!))) and ((Co\$1Fe\$1B Fe\$1Co\$1B	EPO; JPO;	
		(Co\$1Fe near4 "B"!) (Fe\$1Co near4 "B"!)) with (composition	DERWENT;	
		percent atomic weight))	IBM_TDB	
16	121	((Co\$1Fe\$1B Fe\$1Co\$1B (Co\$1Fe near4 "B"!) (Fe\$1Co	USPAT;	2003/02/18 12:15
		near4 "B"!)) with (composition percent atomic weight))	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
17	110	(((Co\$1Fe\$1B Fe\$1Co\$1B (Co\$1Fe near4 "B"!) (Fe\$1Co	USPAT;	2003/02/18 12:15
		near4 "B"!)) with (composition percent atomic weight))) not	US-PGPUB;	
		((((magnetic adj (recording medium media tape disk disc	EPO; JPO;	
		ribbon)).ab,ti.) and (Co\$1Fe\$1B Fe\$1Co\$1B (Co\$1Fe near4	DERWENT;	
		"B"!) (Fe\$1Co near4 "B"!))) and ((Co\$1Fe\$1B Fe\$1Co\$1B	IBM_TDB	
		(Co\$1Fe near4 "B"!) (Fe\$1Co near4 "B"!)) with (composition		
		percent atomic weight)))		
18	23	((((Co\$1Fe\$1B Fe\$1Co\$1B (Co\$1Fe near4 "B"!) (Fe\$1Co	USPAT;	2003/02/18 12:16
		near4 "B"!)) with (composition percent atomic weight))) not	US-PGPUB;	
		((((magnetic adj (recording medium media tape disk disc	EPO; JPO;	
		ribbon)).ab,ti.) and (Co\$1Fe\$1B Fe\$1Co\$1B (Co\$1Fe near4	DERWENT;	
		"B"!) (Fe\$1Co near4 "B"!))) and ((Co\$1Fe\$1B Fe\$1Co\$1B	IBM_TDB	
ļ		(Co\$1Fe near4 "B"!) (Fe\$1Co near4 "B"!)) with (composition		
		percent atomic weight)))) and (sputter sputtering)	<u> </u>	L

AIP Online Journal Publishing Service | AIP Journal Center | Article Purchases | F

Journal of Appi		.Mashes
-----------------	--	---------

JAP Home	Volume: Page: REtrie	Me)	Search▼	Browse▼	
Search All Issue	es (Simple Search)				
Advanced Searce	ch] [Search SPIN Web] [Searching Help]				
(saturation <	AND> field)	in	Keep default or choose Full Bibliograp	e another search field phic Record	
AND 💆	(perpendicular <or> vertical)</or>	in	Full Bibliograp	ohic Record	
AND 🔯	(soft <and> magnetic)</and>	in	Full Bibliograp	ohic Record	
Hitlist Sorting Option Show Most F	ons Records Per Page Recent First 25	Threshold All			
CEADOU POSSI Search Tips & Evamples					

The following options may be used to enhance your search query & results list.

Publication Date Range

Month Day Year D	through Month Day Year					
Volume/Issue Range						
From: Vol. Iss.	To: Vol. Iss.					
SFARCH: Reset Search Tips & Examples						

TIPS & EXAMPLES			
Searching for	Returns records containing:		
perturbation	any word for which <i>perturb</i> is the stem, such as "perturbs", "perturbing", "perturbation", etc.		
Muller	Muller or Müller but not Mueller (use Mu*ller for all three)		
de Vega, Hector J	any single or multi-part last name preceding the comma		
"68.65.+g"	exactly the quoted string.		
((symmetry or quantum) and electro*)	the specified Boolean combination.		



IEEE HOME SEARCI	HIEEE I SHOP I WEB ACCOUNT I CONTACT IEEE	♥IEE
Membership Public	ations/Services Standards Conferences Careers/Jobs	
IEEE	Xplore®	÷
Help FAQ Terms IE	EE Peer Review Quick Links	» Adva
Welcome to IEEE Xplore		
O- Home O- What Can I Access? O- Log-out Tables of Contents O- Journals & Magazines O- Conference Proceedings O- Standards Search	1) Enter a single keyword, phrase, or Boolean expression. Example: acoustic imaging (means the phrase acoustic imaging plus any stem variations) 2) Limit your search by using search operators and field codes, if desired. Example: optical <and> (fiber <or> fibre) <in> ti 3) Limit the results by selecting Search Options. 4) Click Search. See Search Examples (saturation <and> field)</and></in></or></and>	Search Options: Select publication types: IEEE Journals IEEE Conference proceed IEEE Standards Select years to search: From year: All to F
O- By Author O- Basic O- Advanced Member Services O- Join IEEE O- Establish IEEE Web Account O- Access the	Note: This function returns plural and suffixed forms of the keyword(s). Search operators: <and> <or> <not> <in> More Field codes: au (author), ti (title), ab (abstract), jn (publication name), de (index term) More</in></not></or></and>	Sort by: Relevance In: Descending order List 15 Results per pa
IEEE Member Digital Library		•

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account | New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting No Robots Please | Release Notes | IEEE Online Publications | Help | FAQ| Terms | Back to Top

Copyright © 2003 IEEE — All rights reserved

•				
	AIP Online Journal i	Publishing Service AIP Jo	ournal Center Article Purchases F	
Applied Physics L	ætters	•		
APL Home Volume:	Page: [Retrieve]	Search▼	Browse♥	
Search All Issues (Simple Search)			·	
		Marian Control of the		
[Advanced Search] [Search SPIN Web] [Searching Help]			
		سبسيبيني	fault or choose another search field	
(saturation <and> field)</and>		in Full	Bibliographic Record	
AND (perpendicular <0	DR> vertical)	in Full	Bibliographic Record	
AND (soft <and> magn</and>	netic)	in Full	Bibliographic Record	
Hitlist Sorting Options	Records Per Page	Threshold		
Show Most Recent First	25 🔽 A			
SEARCH Reset Search Tip	ps & Examples			
The following options	may be used to enhance	your search query	& results list.	
	Publication Date Ra	inge		
Month Day Y	ear through Mo	onth Day	Year 🔽	
	Volume/Issue Ran	ige		
From: Vol. Iss. To: Vol. Iss.				
SEARCH Reset Search Tips & Examples				
TIPS & EXAMPLES				
Searching for	Returns records con	taining:		
perturbation	any word for which <i>per</i> "perturbing", "perturba		ch as "perturbs",	
Muller	Muller or Müller but not Mueller (use Mu*ller for all three)			
de Vega, Hector J any single or multi-part last name preceding the comma				

exactly the quoted string.

the specified Boolean combination.

"68.65.+g"

((symmetry or quantum) and electro*)